



TORQ Analysis of Hoist and Winch Operators to Refuse and Recyclable Material Collectors

INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Hoist and Winch Operators	53-7041.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Refuse and Recyclable Material Collectors	53-7081.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:

85

Ability TORQ				Skills TORQ				Knowledge TORQ			
Level		<div></div> 90		Level		<div></div> 90		Level		<div></div> 74	
Gaps To Narrow if Possible				Upgrade These Skills				Knowledge to Add			
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
Speech Clarity	39	5	50	No Skills Upgrade Required!				Customer and Personal Service	57	13	70
Speech Recognition	39	4	56								

LEVEL and IMPT (IMPORTANCE) refer to the Target Refuse and Recyclable Material Collectors. GAP refers to level difference between Hoist and Winch Operators and Refuse and Recyclable Material Collectors.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

Description	Hoist and Winch Operators	Refuse and Recyclable Material Collectors	Importance
Multilimb Coordination	51	44	62
Control Precision	55	50	59
Near Vision	39	35	59
Oral Comprehension	51	44	56
Oral Expression	41	39	56
Problem Sensitivity	41	32	56
Depth Perception	50	39	56
Speech Recognition	35	39	56
Arm-Hand Steadiness	37	34	53
Manual Dexterity	39	39	53
Static Strength	44	44	53
Written Comprehension	35	30	50



Deductive Reasoning	34	34	50
Inductive Reasoning	37	34	50
Information Ordering	41	35	50
Selective Attention	39	34	50
Reaction Time	50	37	50
Far Vision	39	34	50
Speech Clarity	34	39	50
Skill Level Comparison - Abilities with importance scores over 69			
Description	Hoist and Winch Operators	Refuse and Recyclable Material Collectors	Importance
Knowledge Level Comparison - Knowledge with importance scores over 69			
Description	Hoist and Winch Operators	Refuse and Recyclable Material Collectors	Importance
Customer and Personal Service	44	57	70

Experience & Education Comparison					
Related Work Experience Comparison			Required Education Level Comparison		
Description	Hoist and Winch Operators	Refuse and Recyclable Material Collectors	Description	Hoist and Winch Operators	Refuse and Recyclable Material Collectors
10+ years	2%	0%	Doctoral	0%	0%
8-10 years	0%	0%	Professional Degree	0%	0%
6-8 years	0%	0%	Post-Masters Cert	0%	0%
4-6 years	21%	0%	Master's Degree	0%	0%
2-4 years	21%	4%	Post-Bachelor Cert	0%	0%
1-2 years	29%	15%	Bachelors	0%	0%
6-12 months	9%	14%	AA or Equiv	0%	0%
3-6 months	1%	0%	Some College	8%	0%
1-3 months	1%	20%	Post-Secondary Certificate	23%	8%
0-1 month	0%	8%	High School Diploma or GED	41%	54%
None	12%	36%	No HSD or GED	26%	37%
Hoist and Winch Operators			Refuse and Recyclable Material Collectors		
Most Common Educational/Training Requirement:					
Moderate-term on-the-job training			Short-term on-the-job training		
Job Zone Comparison					
2 - Job Zone Two: Some Preparation Needed			2 - Job Zone Two: Some Preparation Needed		
Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.			Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.		
These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.			These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.		



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Tasks

Hoist and Winch Operators

Core Tasks

Generalized Work Activities:

- Repairing and Maintaining Mechanical Equipment - Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles.
- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Operating Vehicles, Mechanized Devices, or Equipment - Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft.
- Controlling Machines and Processes - Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).

Specific Tasks

Occupation Specific Tasks:

- Apply hand or foot brakes and move levers to lock hoists or winches.
- Attach, fasten, and disconnect cables or lines to loads, materials, and equipment, using hand tools.
- Climb ladders in order to position and setup vehicle-mounted derricks.
- Move levers, pedals, and throttles in order to stop, start, and regulate speeds of hoist or winch drums in response to hand, bell, buzzer, telephone, loud-speaker, or whistle signals, or by observing dial indicators or cable marks.
- Move or reposition hoists, winches, loads and materials, manually or using equipment and machines such as trucks, cars, and hand trucks.
- Observe equipment gauges and indicators and hand signals of other workers in order to verify load positions and/or depths.
- Oil winch drums so that cables will wind smoothly.
- Operate compressed air, diesel, electric, gasoline, or steam-driven hoists or winches in order to control movement of cables, ropes, cables, derricks, draglines

Refuse and Recyclable Material Collectors

Core Tasks

Generalized Work Activities:

- Operating Vehicles, Mechanized Devices, or Equipment - Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Communicating with Supervisors, Peers, or Subordinates - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.

Specific Tasks

Occupation Specific Tasks:

- Clean trucks and compactor bodies after routes have been completed.
- Communicate with dispatchers concerning delays, unsafe sites, accidents, equipment breakdowns, and other maintenance problems.
- Dismount garbage trucks to collect garbage and remount trucks to ride to the next collection point.
- Drive to disposal sites to empty trucks that have been filled.
- Drive trucks along established routes through residential streets and alleys, or through business and industrial areas.
- Fill out any needed reports for defective equipment.
- Inspect trucks prior to beginning routes to ensure safe operating condition.
- Keep informed of road and weather conditions to determine how routes will be affected.
- Operate automated or semi-automated hoisting devices that raise refuse bins and dump contents into openings in truck



cableways, cages, derricks, draglines, loaders, railcars, or skips.

- Repair, maintain, and adjust equipment, using hand tools.
- Select loads or materials according to weight and size specifications.
- Signal and assist other workers loading or unloading materials.
- Start engines of hoists or winches and use levers and pedals to wind or unwind cable on drums.
- Tend auxiliary equipment such as jacks, slings, cables, or stop blocks, in order to facilitate moving items or materials for further processing.

Detailed Tasks

Detailed Work Activities:

- inspect material moving equipment
- load, unload, or stack containers, materials, or products
- maintain or repair construction machinery or equipment
- operate cargo handling gear
- operate hoist, winch, or hydraulic boom
- operate material moving, loading, or unloading equipment
- perform safety inspections in construction or resource extraction setting
- set up specialized rigging
- use hand or power tools
- use measuring devices in construction or extraction work

bodies.

- Operate equipment that compresses the collected refuse.
- Organize schedules for refuse collection.
- Provide quotes for refuse collection contracts.
- Refuel trucks and add other necessary fluids, such as oil.
- Sort items set out for recycling and throw materials into designated truck compartments.
- Tag garbage or recycling containers to inform customers of problems such as excess garbage or inclusion of items that are not permitted.

Detailed Tasks

Detailed Work Activities:

- drive truck with capacity greater than 3 tons
- load, unload, or stack containers, materials, or products
- move or fit heavy objects
- use truck-mounted hydraulic lifts or other accessories
- use two-way radio or mobile phone

Labor Market Comparison

Description	Hoist and Winch Operators	Refuse and Recyclable Material Collectors	Difference
Median Wage	N/A	\$ 22,780	N/A
10th Percentile Wage	N/A	\$ 15,690	N/A
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	N/A	\$ 28,570	N/A
90th Percentile Wage	N/A	\$ 33,230	N/A
Mean Wage	N/A	\$ 23,640	N/A
Total Employment - 2007	N/A	930	N/A
Employment Base - 2016	N/A	1,343	N/A
Projected Employment - 2016	N/A	1,356	N/A
Projected Job Growth - 2006-2016	N/A	1.0 %	N/A

Projected Annual Openings -
2006-2016

N/A

37

N/A

National Job Posting Trends

Trend for Hoist and Winch Operators

Trend for
Refuse
and
Recyclable
Material
Collectors

Job Trends from Indeed.com

— Hoist and Winch Operator
 — Refuse and Recyclable Material Collector
Data from [Indeed](http://indeed.com)

Recommended Programs

No program data for the occupation.

Maine Statewide Promotion Opportunities for Hoist and Winch Operators

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
53-7081.00	Refuse and Recyclable Material Collectors	85	2	930	\$22,780.00	\$22,780.00	1%	37
47-2071.00	Paving, Surfacing, and Tamping Equipment Operators	84	2	320	\$25,520.00	\$25,520.00	1%	7
51-7041.00	Sawing Machine Setters, Operators, and Tenders, Wood	84	2	700	\$24,790.00	\$24,790.00	-8%	15
51-9196.00	Paper Goods Machine Setters, Operators, and Tenders	84	2	910	\$38,230.00	\$38,230.00	-26%	23



47-5021.00	Earth Drillers, Except Oil and Gas	83	3	140	\$37,470.00	\$37,470.00	2%	4
53-7021.00	Crane and Tower Operators	83	3	240	\$41,940.00	\$41,940.00	-2%	4
51-4121.06	Welders, Cutters, and Welder Fitters	83	2	1,610	\$38,030.00	\$38,030.00	7%	49
51-9191.00	Cementing and Gluing Machine Operators and Tenders	83	1	80	\$27,620.00	\$27,620.00	-15%	2
37-3011.00	Landscaping and Groundskeeping Workers	82	1	4,040	\$24,450.00	\$24,450.00	12%	130
43-5041.00	Meter Readers, Utilities	82	1	90	\$31,240.00	\$31,240.00	-11%	3
51-7042.00	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	82	2	900	\$23,040.00	\$23,040.00	-12%	23
51-9041.00	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	82	2	260	\$28,330.00	\$28,330.00	-7%	5
53-7032.00	Excavating and Loading Machine and Dragline Operators	82	2	330	\$32,160.00	\$32,160.00	6%	8
47-4071.00	Septic Tank Servicers and Sewer Pipe Cleaners	81	2	160	\$30,300.00	\$30,300.00	2%	4
51-2031.00	Engine and Other Machine Assemblers	81	3	20	\$29,010.00	\$29,010.00	-45%	1

Top Industries for Refuse and Recyclable Material Collectors

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Waste collection	562100	32.50%	44,187	50,140	13.47%
Waste treatment and disposal	562200	15.26%	20,746	23,452	13.05%
Self-employed workers, primary job	000601	5.78%	7,861	7,537	-4.12%
Remediation and other waste management services	562900	2.12%	2,885	3,434	19.02%
Miscellaneous durable goods merchant wholesalers	423900	0.99%	1,342	1,387	3.32%
General freight trucking	484100	0.91%	1,242	1,264	1.80%
Specialized freight trucking	484200	0.48%	654	662	1.37%



Private households, primary jobs	814100	0.44%	594	555	-6.41%
Self-employed workers, secondary job	000602	0.28%	382	343	-10.41%
Postal service	491100	0.14%	186	170	-8.38%
Colleges, universities, and professional schools, public and private	611300	0.11%	156	157	0.69%
Vocational rehabilitation services	624300	0.10%	135	148	9.63%
Other support services	561900	0.10%	138	170	23.30%
Management of companies and enterprises	551100	0.07%	101	105	3.75%
General medical and surgical hospitals, public and private	622100	0.06%	84	84	-0.36%

Top Industries for Hoist and Winch Operators

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Support activities for water transportation	488300	9.78%	295	342	15.75%
Logging	113310	8.08%	244	201	-17.33%
Electric power generation, transmission and distribution	221100	6.64%	200	184	-8.03%
Support activities for road transportation	488400	6.46%	195	214	9.96%
Cement and concrete product manufacturing	327300	4.04%	122	132	8.55%
Sawmills and wood preservation	321100	3.60%	109	87	-19.82%
Support activities for mining	213100	2.85%	86	81	-5.93%
Nonmetallic mineral mining and quarrying	212300	2.04%	62	66	7.34%
Local government, excluding education and hospitals	939300	2.03%	61	69	12.33%